FY91 through FY93 PROCESS DEVELOPMENT PLANS AND BUDGETS

WEAPON SYSTEMS DEVELOPMENT

September 1990

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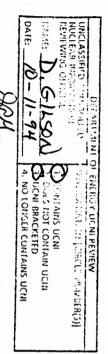
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FY91 through FY93 PROCESS DEVELOPMENT PLANS AND BUDGETS

WEAPON SYSTEMS DEVELOPMENT



September 1990



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CONTENTS

							:
Lab Designator and Contact: R. R. Weinmaster/SNLA.	PLANT COMMENTS: The purpose of this project is to devel as well as alignment tests between the Target Plate Plant Contact: D. P. Hilleary	ID \$K	TOTAL MY <u>2.5</u>		Target Plate: Develop fabrication, inspection, and test-fire procedures for the Target Plate.	FY 1991 TECHNOLOGY (or Task Description) MY PA	WEAPON SYSTEM W89 PLANT PX
R. R. Weirmaster/SNIA. M. M. Uraith/IINI C. U. Draftell/SNI	The purpose of this project is to develop manufacturing processes for the Target Plate nt tests between the Target Plate leere completed. Aging study components	ID \$K 102	TOTAL MY _1.6		Target Plate: Complete development activities and transfer to production.	FY 1992 TECHNOLOGY (or Task Description) MY PA	PROCESS DEVELOPMENT WEAPON SYSTEMS DEVELOPMENT FY 91 - 93 PLANS & BUDGETS
	Stainless steel kests &	ID \$K	TOTAL MY	(6)(3)		TECHNOLOGY (or Task Description) MY PA	MY = Manyears PA = Producibility Assessment * = Information Not Available/Not Applicable

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Phase 3 to 5 Costs:

Interdependent Program:

WPD COMMENTS:

POD COMMENTS:

ID \$K 25 EST. FY 1991 REIMBURSABLES	TOTAL MY 0.6	Gas Sampling and Leak Testing: 0.6 * Complete system for dew point measurement. Begin fabrication of prototype gas sampling cart.	FY 1991 TECHNOLOGY (or Task Description) MY PA	WEAPON SYSTEM W89 PLANT PX
<u>TD \$K 25</u>	TOTAL MY <u>0.6</u>	Gas Sampling and Leak Testing: Complete and test prototype gas sampling cart.	FY 1992 TECHNOLOGY (or Task Description) MY PA	PROCESS DEVELOPMENT WEAPON SYSTEMS DEVELOPMENT FY 91 - 93 PLANS & BUDGETS
TD \$K	TOTAL MY 0.4	Gas Sampling and Leak Testing: Develop the capability to do outside/ in leak testing of warheads.	TECHNOLOGY (or Task Description) MY PA	<pre>MY = Manyears PA = Producibility Assessment * = Information Not Available/Not Applicable }</pre>

project is to provide improved and more consistent stockpile evaluation data. PLANT COMMENTS: The purpose of this project is to improve gas sample, dew point, internal pressure, and leak rate measurements. The benefit of this

Plant Contact: L. C. Myers

Lab Designator and Contact: SL-PX-005-WD-91/J. E. Costa, J. B. Woodard/SNLL

Interdependent Program:

Phase 3 to 5 Costs:

WPD COMMENTS:

POD COMMENTS:



ID \$K 317 ID \$K EST. FY 1991 REIMBURSABLES \$100K	TOTAL MY 5.0	ons and	component assembly and testing pro-	8 ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° ° °	TECHNOLOGY (or Task Description) MY PA	WEAPON SYSTEM <u>B90</u> PLANT <u>PX</u> FY 1991
204	TOTAL MY 3.2	production.	optimization investigations. Finalize assembly and testing procedures and transfer process technology to	Continue alternate extrudable explosive material investigations. Further refine automated loading, quality monitoring and inspection techniques for Type VI PLSC. Continue PLSC	TECHNOLOGY (or Task Description) MY PA MC4043/MC4256: 3.2 C	PROCESS DEVELOPMENT WEAPON SYSTEMS DEVELOPMENT FY 91 - 93 PLANS & BUDGETS FY 1992
ID \$K 200	TOTAL MY 2.6	extragate interiors studies.	tion technique for PLSC. Continue PLSC optimization and alternate extrudable materials studies	7 - 8	TECHNOLOGY (or Task Description) MY PA MC4043/MC4256: 2.6 C	MY = Manyears PA = Producibility Assessment * = Information Not Available/Not Applicable FY 1993

Deployment System. Type VI PLSC performance characterization has been completed. Feasible inspection techniques are currently under investigation. Semi-automated PLANT COMMENTS: The purpose of this project is to develop manufacturing, inspection, and test-fire processes for the MC4043 Jettison Cutter and the MC4256 Parachute

radiusing and loading of PLSC has been accomplished. Several alternate extrudable explosive candidates have been identified for further testing.

Plant Contact: S. G. Hallett

Lab Designator and Contact: SA-PX-006-AD-91, SA-PX-010-AD-91/M. G. Vigil, D. L. Marchi, D. R. Begeal, R. R. Weinmaster/SNLA

Interdependent Program:

Phase 3 to 5 Costs:

POD COMMENTS:

WPD COMMENTS:



WEAPON SYSTEM SRAM T	SRAM T	PROCESS DEVELOPMENT WEAPON SYSTEMS DEVELOPMENT FY 91 - 93 PLANS & BUDGETS		<pre>MY = Manyears PA = Producibility Assessment * = Information Not Available/Not Applicable</pre>	
FY 1991		FY 1992	ļ.	FY 1993	I
on)	MY PA	TECHNOLOGY (or Task Description)	HY PA	TECHNOLOGY (or Task Description) MY PA	ĬŠ
Converter: Provide design assistance for the converter. Conduct evaluation tests. Develop processes for manufacture, inspection, and test fire.	1.7 с	Converter: Continue development of fabrication, inspection, and test-fire techniques.	1.6	Converter: Complete test-fire technique development and begin transfer of the technology to production.	, C
TOTAL MY 1.7		TOTAL MY	1.6	TOTAL MY 1.7	
TD \$K		TD \$K	102	TD \$K 136	
EST. FY 1991 REIMBURSABLES	<u>\$15K</u>				

PLANT COMMENTS: The purpose of this project is to provide design assistance, conduct evaluation tests, and develop processes for the manufacture, inspection, and test fire of the converter.

Plant Contact: P. E. Kramer

Lab Designator and Contact: D. R. Begeal/SNLA

Interdependent Program:

Phase 3 to 5 Costs:

POD COMMENTS:

WPD COMMENTS:



FY91 THROUGH FY93 PROCESS DEVELOPMENT PLANS AND BUDGETS Weapon Systems Development

COST AND MANPOWER SUMMARY TABLE

Weapon Systems Development Total	SRAM-T	B90	W89	
11.7	1.7	5.0	5.0	MY
706	111	317	278	TD SK
9.7	1.6	3.2	4.9	MY
570	102	204	264	FY92 TD SK
570 5.7	102 1.7	2.6	1.4	MY
420	136	200	84	FY93 MY TD \$K



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- Brasher, Development, 11-2
- Cockrell, Development, 11-2
 Development, 11-2
- Garrett, Faubion, Development, 11-2
- Development,
- Hemphill, ES&H, 12-2
- Henke, Fabrication, 12-97B
- **D** Johnson, Hilleary, Development, 11-2 Fabrication,
- ٦. Kramer, Development, 11-2
- Ŀ. Myers, Fabrication, 12-6
- Ortiz, Fabrication, 12-97B
- Poynor, Assembly, 12-69 Prigel,
- Quality, 12-28
- Slape, Development, 11-2
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